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Agroscope

Spread of flavescence dorée phytoplasma in formerly and recently colonised areas of Switzerland

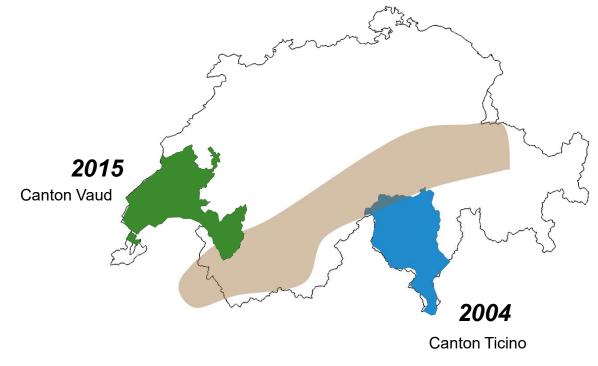
L. Mandelli, C. Debonneville, R. Battelli, M. Conedera, M. Jeanrenaud, M. Jermini, C. Linder, A. Rizzoli, O. Viret, <u>O. Schumpp</u>

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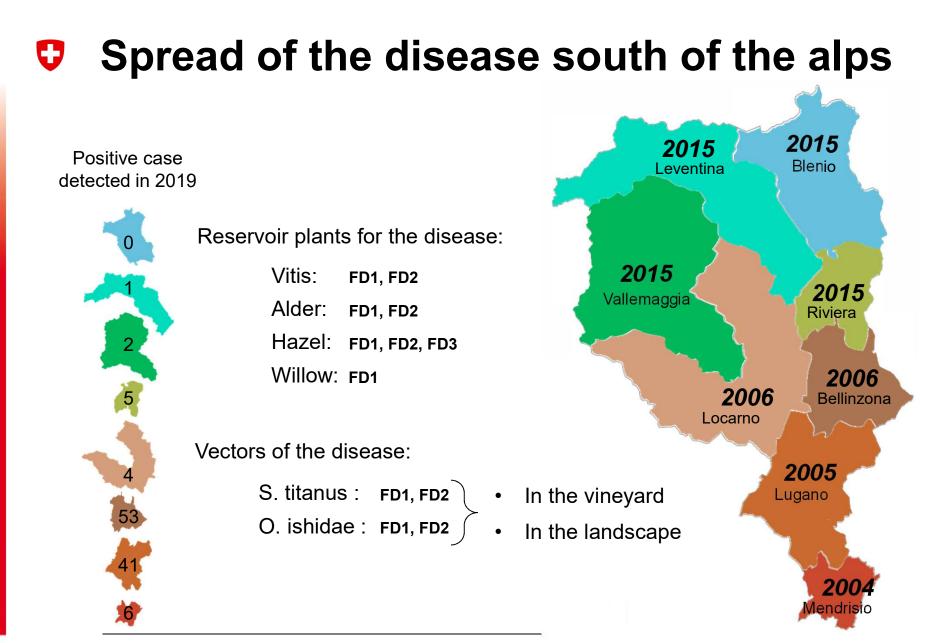
01.06.2021

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- Q
 - The basic measures are effective
 - The goal of eradicating the disease is achievable



- The disease is established in the environment
- Search for a strategy to keep the incidence low



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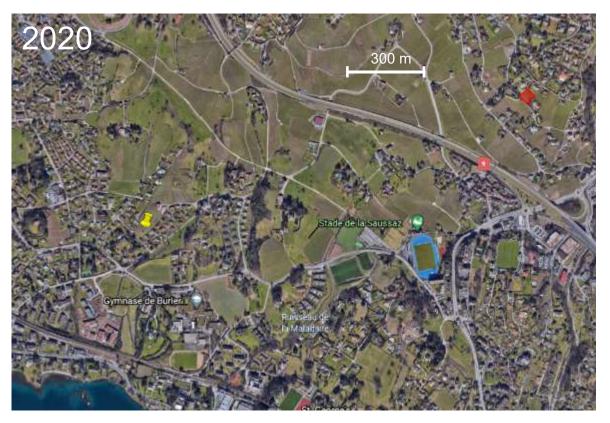
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Spread of the disease north of the alps 2019 6 hotbeds **Eradication takes** up to 5 years 6 localized infections 2016 (1 - 3 vine stock)2019 No local 2015 Lavaux 2020 dissemination Rivier 2019 2016 2020 Aigle 2020 2020 Monthey

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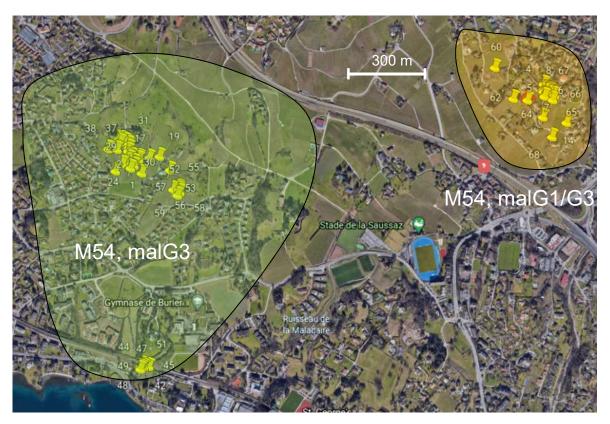
Spread of the disease north of the alps



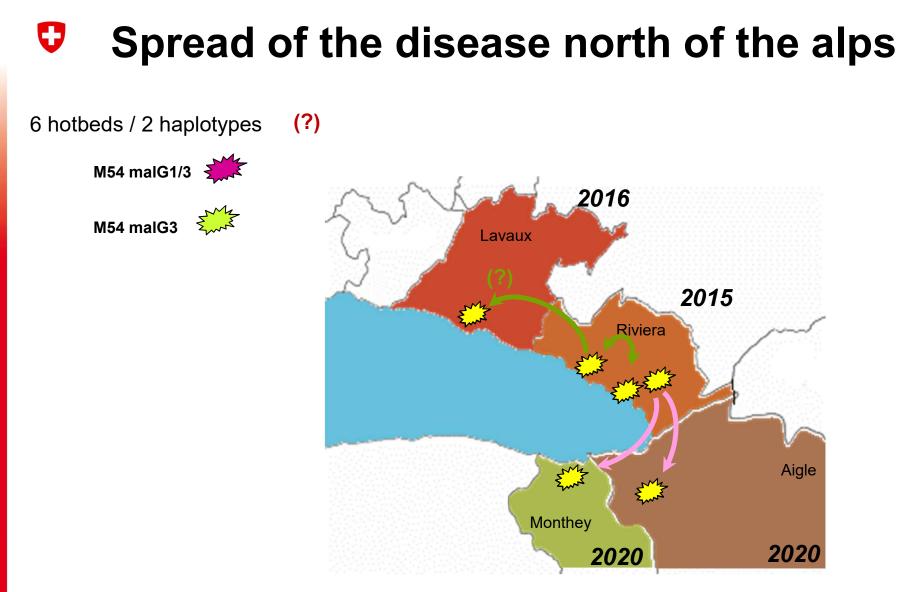


Spread of the disease north of the alps



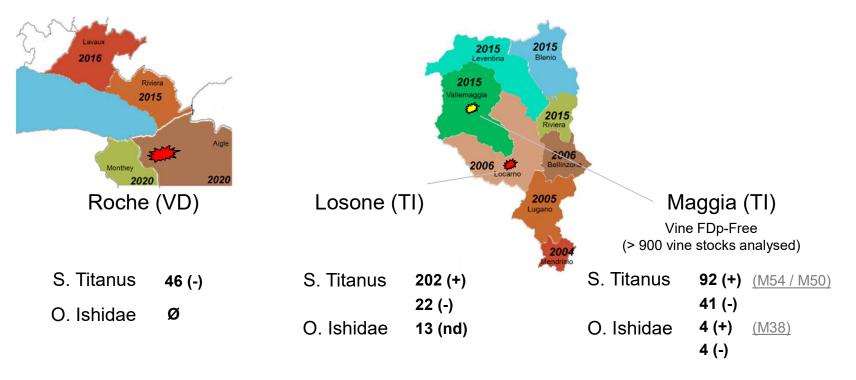


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Insect analysis as a measure of plot/environment exchanges

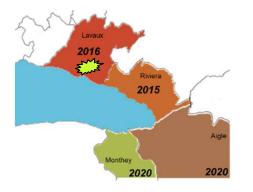


- What host allows the contamination of S. titanus in areas with Flavescence dorée-free vinestocks?
- How long will the vine remain symptom-free?

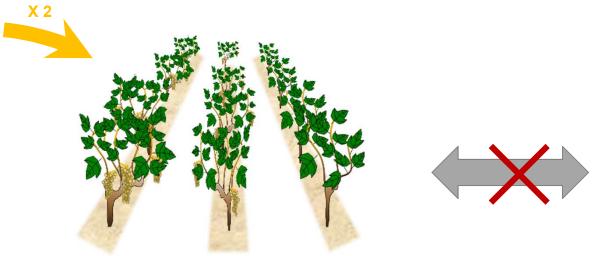
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North of the Alps



- Only two introduction events really took place
- No interaction with the landscape





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Conclusions

South of the Alps



Multiple introduction events



- The landscape is a reservoir and does not allow for the eradication of the disease.
- the forest landscape continuum is involved in the spread to new areas



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Thank you for your attention



L. Mandelli C. Debonneville M. Jermini C. Linder





M. Jeanrenaud O. Viret



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